WHAT IS CLAIMED IS:

1-9 (Canceled)

10. (New) A system for performing induced limb movements, particularly for rehabilitating, sports-related and similar purposes, comprising a central processing unit, at least one peripheral unit that is adapted to be used by a patient in order to reproduce a rehabilitation path displayed by said processing means, said peripheral unit being provided with position sensors that are adapted to transmit position signals to said processing unit in order to reconstruct the path traced by the patient on said processing unit.

11. (New) The system according to claim 10, wherein said processing unit comprises means that are adapted to process said signals that arrive from said sensors of said peripheral unit and to make a comparison between said path traced by the patient and said predefined path displayed by said processing unit.

12. (New) The system according to claim 10, wherein said peripheral unit is connected to said processing unit by means of a radio link.

13. (New) The system according to claim 10, wherein said at least one peripheral unit is connected to said processing unit by means of an infrared link.

14. (New) The system according to claim 10, wherein said peripheral unit is connected to said processing unit by means of a cable.

15. (New) The system according to claim 10, wherein said peripheral unit is moved by the patient over a flat surface.

16. (New) The system according to claim 10, wherein said at least one peripheral unit is moved by the patient over a non-flat surface.

17. (New) The system according to claim 10, wherein said at least one peripheral unit is provided with pressure sensing means, which are adapted to send a pressure signal to said processing unit.

18. (New) The system according to claim 10, wherein said processing

unit comprises means that are adapted to process said pressure signal in order to compare it with a pressure value that is preset in said processing unit and is associated with a particular program and path that the patient is following.